Solution:

Test I

1. Car 1

Tan θ =

**=**

(cross multiplication)

* 1. m = x

Car 2

Tan θ =

**=**

(cross multiplication)

85.54 m = y

1. STEP 1:

(cross multiplication)

**C = 981.63 m**

**STEP 2:**

Sin θ =

**=** (cross multiplication)

X = (Sin 72°) (981.63 m)

X = 933.59 m

(cross multiplication)

**AB= 281.99m**



Cos A =

Cos A =

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Cos A =

(Cos A)-1 = (0.02728174603)-1  (shift + cos + ans)

Cos A = 88.44°